BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Comprehensive Development of Chowdeshwari Layout and Surrounding Areas in Chowdeshwari Ward No-02.

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
							Estimation Cost.Rs		10000000.00
1	18.27 KSRRB M200-15.2. Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all liftsas per specifications. iii)Dismantling Stone Masonry. B. Rubble Stone masonry in cement mortar.No. KBS Pg No 140 ,Item No 18.27, (8km lead = 57+2*1.28X8)								
	SSM Culvert wall								
	Chowdeshwari Nagara								
	6th Cross Road	Cum	2	4.00	0.45	0.60	2.16		
	5th B cross Road	Cum	4	4.00	0.45	0.60	4.32		
	Basic rate	351.00							
	Area weightage 6%	21.06							
	8Km lead & Lift= 57+(2*1.28*8)	77.48							
	Sub Total	449.54							
	Total						6.48	449.54	2913.02
2	KSRRB M200-12.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. Page No. 139, Item No.18.18 and Pg No.136, Item No.17.4,17.1 (8km lead = 57+2*1.28X8)								
	Culvert Deck Slab								
	Chowdeshwari Nagara								
	6th Cross Road	Cum	1	4.00	1.50	0.20	1.20		
	5th B cross Road	Cum	2	4.00	1.50	0.20	2.40		
	Drain								
	Bottom Raft								
	Chowdeshwari Nagara								
	6th Cross Road	Cum	2	145.00	0.75	0.15	32.63		
		Cum	1	43.00	0.75	0.15	4.84		
	5th B cross Road	Cum	2	139.00	0.90	0.15	37.53		
	Cross Road 1	Cum	1	82.00	0.90	0.15	11.07		
	5th A cross Road	Cum	2	117.80	0.75	0.15	26.51		
	Side Walls								
	Chowdeshwari Nagara								
	6th Cross Road	Cum	4	145.00	0.15	0.60	52.20		
		Cum	2	43.00	0.15	0.60	7.74		
	5th B cross Road	Cum	4	139.00	0.15	0.60	50.04		
	Cross Road 1	Cum	2	82.00	0.15	0.60	14.76		
	5th A cross Road	Cum	4	117.80	0.15	0.60	42.41		
	Basic rate	557.00							
	Area weightage 6%	33.42							
	8Km lead & Lift= 57+(2*1.28*8)	77.48							
	Sub Total	667.90							
	Total						283.32	667.90	189226.42

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
3	KSRRB 300-1. **Earthwork excavation by manual means for roads,** drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1) (8km lead = 57+2*1.28X8)								
	New Drain								
	Chowdeshwari Nagara								
	6th Cross Road	Cum	2	145.00	1.05	0.90	274.05		
		Cum	1	43.00	1.05	0.90	40.64		
	5th B cross Road	Cum	2	139.00	1.20	0.90	300.24		
	Cross Road 1	Cum	1	82.00	1.20	0.90	88.56		
	5th A cross Road	Cum	2	117.80	1.05	0.90	222.64		
	New Culvert								
	Chowdeshwari Nagara								
	6th Cross Road	Cum	1	4.00	1.80	0.95	6.84		
	5th B cross Road	Cum	2	4.00	1.80	0.95	13.68		
	Basic rate	130.00							
	Area weightage 6%	7.80							
	8Km lead & Lift= 57+(2*1.28*8)	77.48							
	Sub Total	**215.28**							
	Total						946.65	215.28	203794.17
4	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.27-I.No.5.33)								
	Precast Cover Slab								
	Chowdeshwari Nagara								
	6th Cross Road	Sqm	2	145.00	0.75		217.50		
		Sqm	1	43.00	0.75		32.25		
	5th B cross Road	Sqm	2	139.00	0.90		250.20		
	Cross Road 1	Sqm	1	82.00	0.90		73.80		
	5th A cross Road	Sqm	2	117.80	0.75		176.70		
					Sub Total		750.45		
					Total		750.45		
	Deduct 50% for Missing/Damaged	Sqm					375.23		
							375.23		
	Consider 50% Qnty for Removing & Refixing	Sqm					187.61		
	Basic rate	105.00							
	Area weightage 6%	6.30							
	Sub Total	**111.30**							
	Total						187.61	111.30	20881.27
5	KSRRB M2100 PCC I KSRRB M2100-10. Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications.MORTH Specification No. 2100 Pg no:222 Item no:27.18								
	New Drain								
	Chowdeshwari Nagara								
	6th Cross Road	Cum	2	145.00	1.05	0.15	45.68		
		Cum	1	43.00	1.05	0.15	6.77		

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
	5th B cross Road	Cum	2	139.00	1.20	0.15	50.04		
	Cross Road 1	Cum	1	82.00	1.20	0.15	14.76		
	5th A cross Road	Cum	2	117.80	1.05	0.15	37.11		
	New Culvert								
	Chowdeshwari Nagara								
	6th Cross Road	Cum	1	4.00	1.80	0.15	1.08		
	5th B cross Road	Cum	2	4.00	1.80	0.15	2.16		
	For CC Road								
	Chowdeshwari Nagara								
	6th Cross Road	Cum	1	188.00	4.00	0.15	112.80		
	5th B cross Road	Cum	1	139.00	4.50	0.15	93.83		
	5th A cross Road	Cum	1	137.80	3.50	0.15	72.35		
	Basic rate	5115.00							
	Area weightage 6%	306.90							
	Sub Total	5421.90							
	Total						436.56	5421.90	2367009.06
6	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm(Item No 37.59.2 page no 271)								
	New Drain								
	Bottom Raft								
	Chowdeshwari Nagara								
	6th Cross Road	Cum	2	145.00	0.75	0.15	32.63		
		Cum	1	43.00	0.75	0.15	4.84		
	5th B cross Road	Cum	2	139.00	0.90	0.15	37.53		
	Cross Road 1	Cum	1	82.00	0.90	0.15	11.07		
	5th A cross Road	Cum	2	117.80	0.75	0.15	26.51		
	Side Walls								
	Chowdeshwari Nagara								
	6th Cross Road	Cum	4	145.00	0.15	0.60	52.20		
		Cum	2	43.00	0.15	0.60	7.74		
	5th B cross Road	Cum	4	139.00	0.15	0.60	50.04		
	Cross Road 1	Cum	2	82.00	0.15	0.60	14.76		
	5th A cross Road	Cum	4	117.80	0.15	0.60	42.41		
					Sub Total		279.72		
	New Culvert								
	Chowdeshwari Nagara								
	6th Cross Road	Cum	1	4.00	1.50	0.20	1.20		
	5th B cross Road	Cum	2	4.00	1.50	0.20	2.40		
	Side Walls								
	Chowdeshwari Nagara								
	6th Cross Road	Cum	2	4.00	0.20	0.60	0.96		
	5th B cross Road	Cum	4	4.00	0.20	0.60	1.92		
					Sub Total		6.48		

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
	Basic rate	6670.00							
	Area weightage 6%	400.20							
	Sub Total	7070.20							
	Total						286.20	7070.20	2023459.42
7	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2								
	For Drain	Cum	From item no.6				279.72		
		kg	Steel assumed 60Kg/Cum of Concrete				16782.93		
		tonne							
	For Culvert	Cum	From item No 06				16.78		
		kg	Steel assumed 90Kg/Cum of Concrete				6.48		
		tonne					583.20		
	Basic rate	61365.00					0.58		
	Area weightage 6%	3681.90							
	Sub Total	65046.90							
	Total						17.37	65046.90	1129612.92
8	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
	Provide 50% for Missing/Damaged	Sqm	From item no.4				375.23		
	Data Rate	2337.00							
	Total						375.23	2337.00	876900.83
9	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incha								
	New Culvert								
	Chowdeshwari Nagara								
	6th Cross Road	Sqm	1	4.00	1.50		6.00		
	5th B cross Road	Sqm	2	4.00	1.50		12.00		
	Data rate	5418.00							
	Total						18.00	5418.00	97524.00
10	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202(P.No.140- I.No.18.47) & Pg No.136, Item No.17.4,17.1 P- 140								
	Chowdeshwari Nagara								
	6th Cross Road	Cum	1	188.00	4.00	0.20	150.40		
	5th B cross Road	Cum	1	139.00	4.50	0.20	125.10		
	5th A cross Road	Cum	1	137.80	3.50	0.20	96.46		
	Basic rate	899.00							
	Area weightage 6%	53.94							
	8Km lead & Lift= 57+(2*1.28*8)	77.48							
	Sub Total	1030.42							
	Total						371.96	1030.42	383275.02

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
11.00	Cement concrete pavement.Construction of un-reinforced plain cement concrete for pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008.mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire charges of machineries,all lead and lift charges etc., complete as per specifications. - do with OPC at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum Pg No.176Item No.22.6.1								
	Chowdeshwari Nagara								
	6th Cross Road	Cum	1	188.00	4.00	0.15	112.80		
	5th B cross Road	Cum	1	139.00	4.50	0.15	93.83		
	5th A cross Road	Cum	1	137.80	3.50	0.15	72.35		
	Basic rate	4916.00							
	Area weightage 6%	294.96							
	sub Total	**5210.96**							
	Total						278.97	5210.96	1453701.51
								Grand Total	8748297.65
								DPR Charges (1% of estimated cost)	100000.00
								Project management And Consultancy Charges(1% of estimated cost)	100000.00
								GST Charges (12% of estimated cost)	1049795.72
								Miscellenious and rounding	1906.64
								Total Amount	10000000.00
									RUPEES ONE CRORE ONLY

Technical Sanction
Accepted for Rs. [illegible]
Head of A/C [illegible] DATE
CE/NK ..... Dt: [illegible]
[illegible] SE (NK)

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019,Issue rates and Data Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

Administrative Sanction for Rs. ...100.00 lakhs.
.....
.....
is accorded under head P-2178
.....
.....
Registered as CE No. ..... Subject
to conditions contained in enclosed
No EE/VNK/AS/27/2020-21 Dt 4/8/2020

Executive Engineer

PRAKAD CONSULTANTS